

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of GREEN et al.	:	Customer No. 26817
Serial No. 10/553,253	:	Group Art Unit: 2872
Filed: June 30, 2006	:	Examiner: Rickey D. SHAFER
Title: OPTICAL CONCENTRATOR	:	Confirmation No. 1798
	:	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION REQUIREMENT

Sir:

In a July 22, 2009 Office Action, the Examiner required restriction to one of the following groups:

Group I, claim(s) 2-4, 20 and 41, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the concentrating surface is configured to discriminately collect incident radiation depending on polarization, such that the incident polarization which reaches the second surface has a higher proportion of radiation that is plane polarized than the radiation incident at the first surface.

Group II, claim(s) 6 and 8, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and has an angle of incidence within an acceptance angle to concentrate radiation to the second surface.

Group III, claim(s) 7 and 16, drawn to a communication transmitter comprising a

transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the communication transmitter includes a second profile shaped to concentrate less incident radiation than the first profile.

Group IV, claim(s) 9-12, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the first surface includes a major diameter or dimension and a minor diameter or dimension.

Group V, claim(s) 13, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the first surface is oval or elliptical.

Group VI, claim(s) 14, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the first surface is convex.

Group VII, claim(s) 15, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation, wherein the concentrating surface has a concavely curved portion and the first profile is in the concavely curved portion.

Group VIII, claim(s) 17, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the first profile is designed to totally internally reflect.

Group XI, claim(s) 18 and 21, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the first surface or concentrator is rotationally asymmetric.

Group X, claim(s) 19, drawn to a communication transmitter comprising a

transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the first surface or concentrator is symmetrical about a central plane.

Group XI, claim(s) 22, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the concentrating surface is oval or substantially rectangular.

Group XII, claim(s) 23, drawn to a communication transmitter comprising a transmitter, a narrow band pass filter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation.

Group XIII, claim(s) 24 and 25, drawn to a communication transmitter comprising a transmitter, a body of optically transmissive material and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the body is delimited by the first, second and concentrating surfaces.

Group XIV, claim(s) 26, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and an anti-reflective coating on the second surface.

Group XV, claim(s) 29, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the transmitter is configured to discriminately emit radiation depending on polarization, such that the emitted radiation leaves the first surface with a higher proportion of radiation that is plane polarized than the radiation emitted by the emitter.

Group XVI, claim(s) 30, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of

emitted radiation and a second profile, between the first and second surfaces, is shaped to diffuse less radiation than the first profile.

Group XVII, claim(s) 31-35 and 37, drawn to a communication transmitter comprising a transmitter, a photodetector and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the photodetector is adjacent the second surface.

Group XVIII, claim(s) 38-40, drawn to a communication transmitter comprising an optically transmissive body having first and second ends and a totally internally reflective surface between first and second ends and an optical polarizing filter located between the first and second ends so as to polarizes radiation passing through the body.

Applicants hereby elect with traverse Group I, claim(s) 2-4, 20 and 41, drawn to a communication transmitter comprising a transmitter and a concentrator having a first surface, a second surface and a concentrating surface disposed between the first surface and the second surface, wherein the concentrating surface includes a first profile effecting diffusion of emitted radiation and the concentrating surface is configured to discriminately collect incident radiation depending on polarization, such that the incident polarization which reaches the second surface has a higher proportion of radiation that is plane polarized than the radiation incident at the first surface for prosecution in this application. Applicants further elect Species B (Fig. 2B) for prosecution in this application. Applicants submit that a search of the system of Groups II through XVIII would uncover the method of Group I. Applicants respectfully request the right to file a divisional application directed to the unelected claims.

A prompt action on the merits is earnestly solicited. The Examiner is invited to telephone the undersigned should he believe this would expedite prosecution of this application. It is believed no fee is required. The Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 13-2165.

Respectfully submitted,

Dated: August 24, 2009



Diane Dunn McKay, Esq.
Reg. No. 34,586
Attorney for Applicant

PORZIO, BROMBERG & NEWMAN, P.C.
29 Thanet Road, Suite 201
Princeton, NJ 08540
Tel: 609 924 8555
Fax: 609 924 3036